AEE/YNK SUB. DN
SBR No: 73/16-17
Date: 30/7/2016

YNK-DBR No. 162
Date 30.07.16

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No 2nd & Final

Division: BBMP / YNK Sub-Division: **Yelahanka Sub – Division.**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code:001-15-000012**

Schedule Docket No. Head of Account: P-1771 Est.Cost: **19.50** Lakhs B.R.No. :

Name of Work : Construction of Dhobhi Ghat near yelahanka lake in ward No- 01 of yelahanka Sub Division.

Name of Contractor and Full Address: **Sri Lingaraju, No 95, 5th cross, BSK 2nd stage, bangalore**

Reference to Agreement No. EE/YNK.D/ EPMT-4/W.O/ 59 /2014-15 Date : 28-1-2015.

Certified that the measurements were taken by me on 29/7/16 and recorded of Pages 4(290) to...938....of measurement Book No. 4630... and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on .....and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

II Memorandum of Payment

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn.)
Yelahanka, Bangalore

		Amount
1)	Total value of work done or supplies made as per account within	2nd & Final 1343550:00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	
b)	Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted :	

FSD	67178:00
IT	13436:00
KST	52742:00
LC	13436:00
CBT	1343:00
LR	14962:00
Fine	1000:00
T.D	167897:00
Net	1175653:00

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Stamp

(For use in the Office)

1343550:00

1175653:00

167897:00

Executive Engineer

sl no	Description of work	Un
1	KSRB 2-1 1 Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road cuts and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.2/ PWD SR 2014-15	cum
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
2	KSRB 2-2 2 Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, specification, specification No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	cum
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2014-15)	cum
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
4	KSRB-4-1 3 Providing and laying in position plain cement concrete of mix M7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	Cum
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
5	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum
6	KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2014-15	
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
7	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2014-15	Cum
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1 PWD SR 2014-15	sqm
9	KSRB-4-1 6 Providing and laying in position plain cement concrete of mix M15 withOPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2014-15	Cum
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
10	KSRB 2.3 Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2014-15	Cum
11	KSRB 4-6 7 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.34/ PWD SR 2014-15	sqm
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
12	KSRB 4-6 2 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.29/ PWD SR 2014-15	sqm
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
13	KSRRB M300-53 Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305.	cum
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
14	KSRB 4-6 6 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.33/ PWD SR 2014-15	sqm
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
15	KSRB 4-6 10 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.37/ PWD SR 2014-15	sqm

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
22.40	4054.40	5.60	181.00	1013.60	28.00	5068.00	
	0.00	147.43 138.27	229.97	33904.48 31797	147.43 138.27	33904.48 31797	
50.93	13852.96	0.00	272.00	0.00	50.93	13852.96	
85.02	6923.18	21.96	81.43	1788.20	106.98	8711.38	
	0.00	119.39	86.92	10377.38	119.39	10377.38	
7.71	38472.90	1.93	4990.00	9630.70	9.64	48103.60	
		58.46 56.72	5216.08	304932.04 29585	58.46 56.72	304932.04 29585	
11.41	71249.75	0.00	6244.50	0.00	11.41	71249.75	
16.08	63499.92	4.02	3949.00	15874.98	20.10	79374.90	
		4.10	4253.97	17483.82 17441	4.10	17483.82 17441	
8.64	40409.28	0.00	4677.00	0.00	8.64	40409.28	
18.03	342.57	0.00	19.00	0.00	18.03	342.57	
1.79	9818.15	0.45	5485.00	2468.25	2.24	12286.40	
		65.25 65.42	6163.75	403232.53 402184	65.42	403232.53 402184	
29.46	3603.25	0.00	122.31	0.00	29.46	3603.25	
23.00	6163.31	5.75	267.97	1540.83	28.75	7704.14	
		20.08	277.75	5577.22	20.08	5577.22	
31.74	10270.11	7.94	323.57	2569.15	39.68	12839.26	
		16.86	338.85	5713.01	16.86	5713.01	
	0.00						
16.20	3743.82	4.05	231.10	935.96	20.25	4679.78	
		9.22	319.96	2950.03 2946	9.21	2950.03 2946	
	0.00						
24.30	22291.61	6.08	917.35	5577.49	30.38	27869.09	
		18.23	939.89	17124.19	18.23	17124.19	
2.56	711.68	0.00	278.00	0.00	2.56	711.68	

sl no	Description of work	
16	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC, cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.586Scum and fine aggregates @0.391cum with superplastesiser @0.225Lts machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 15/ Item No. 4.20/ PWD SR 2014-15	sqm
17	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S. 2185/1985 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 27/ Item No. 5.27/ PWD SR 2014-15	cum
18	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15	Quint
19	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete for R.C.C works laid in 15cms thick layers and well compacted vibrating curing etc. smooth finish in CM 1:3,with all lead and lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20(cement-320 Kg/Cum) Page No. 19/ Item No. 4.49.1/ PWD SR 2014-15	cum
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
20	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering. Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.11/ PWD SR 2014-15	sqm
21	KSRB 15.3.13 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 109/ Item No. 15.21 PWD SR 2014-15	sqm
22	KSRB 15.7 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 124/ Item No. 15.33/ PWD SR 2014-15	sqm
23	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever reuired smooth rendering. Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.10/ PWD SR 2014-15	sqm
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
24	KSRB 10.2 Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with propietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed	sqm
	with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square, (e) the whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. Page No. 68/ Item No. 10.2/ PWD SR 2014-15	sqm
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
25	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete, gray granite Page No. 115/ Item No. 14.47.2 / PWD SR 2014-15	sqm
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
26	KSRB 15.15.1 Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications, with primer Page No.126/ Item No. 15.51.2 / PWD SR 2014-15	sqm
27	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications, with primer page No.127 Item No.15.53.2/PWD SR 2014-15	Sqm
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
28	KSRB 13-8.11 Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00Kg/sq cm. working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling an floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. 13.2.15.1 / 13.9 Page No. 103/ Item No. 13.75 / PWD SR 2014-15	Mtrs
29	KSRB 12-1.1 : Providing and laying in position to required level or slope 200mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications.Specification No. KBS 12.2.5/12.7 Page No. 72/ Item No. 11.1/ PWD SR 2014-15	Mtrs
30	KSRB 11.11.6 Providing and fixing white vitreous china clay, single slab wash basin of size 600x480mm with single 15mm C.P. brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11, Page No. 82/ Item No. 12.28 PWD SR 2014-15	Unit
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
31	KSRB 11.1 Providing and fixing white vitreous china clay, water closet indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I./M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required including cost of materials, labours complete as per specifications. Specification No. KBS 11 Page No. 78/ Item No. 12.1 PWD SR 2014-15	Unit

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
2.56	1361.41	0.00	531.80	0.00	2.56	1361.41	
112.29	114872.67	2.46	1023.00	2516.58	114.75	117389.25	
28.27	215134.70	0.00	7610.00	0.00	28.27	215134.70	
8.89	53517.80	2.22	6020.00	13364.40	11.11	66882.20	
		0.60	6513.71	3908.23	0.60	3908.23	
		154.64	147.88	22868.16	154.64	22868.16	
		53.03	192.36	10200.85	53.03	10200.85	
		207.67	22.23	4616.50	207.67	4616.50	
		37.15	163.45	6072.17	37.15	6072.17	
		174.64	174.42	30460.71	174.64	30460.71	
					0.00	0.00	
				0.00	0.00	0.00	
		39.68	901.00	35751.68	39.68	35751.68	
		17.57	953.23	16738.25	17.57	16738.25	
		0.00	0.00	0.00	0.00	0.00	
		39.68	2152.00	85391.36	39.68	85391.36	
		3.37 3.42	2478.61	8352 8476.85	2.373.42	8476.85 8352	
		207.67	71.16	14777.80	207.67	14777.80	
		37.15	84.00	3120.60	37.15	3120.60	
		174.64	87.77	15328.15	174.64	15328.15	
		15.00	114.52	1717.80	15.00	1717.80	
		10.00	515.00	5150.00	10.00	5150.00	
		1.25	3285.00	4106.25	1.25	4106.25	
		0.75	3335.18	2501.39	0.75	2501.39	
		4.00	3746.00	14984.00	4.00	14984.00	

sl no	Description of work	
32	KSRB 12-8.1 Constructing brick masonry inspection chamber 465x610mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:6, C.I. cover with frame (light duty 455x610mm internal dimensions, total weight of cover with frame to be not less than 30kg (weight of cover 23kg and weight of frame 18kg) R.C.C. bed 450 mm cement concrete 1:2:4 mix 20mm and downsize granite metal foundation concrete 1:5:10 with 40mm and downsize granite metal upside plastering 15mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications No KBS Page No 75/ Item No. 11.50 PWD SR 2014-15	Unit
33	KSRB 11.15.3 :- Providing and fixing 1500x450mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard boards packing, including cost materials, labour complete as per specifications Page No. 84 Item No. 12.43 PWD SR 2014-15	Unit
34	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) Page No 97 Item No. 12.113.2 PWD SR 2014-15	Each
	A) upto 125 % of Qty	
	B) Above 125% of Qty	
35	KSRB 11-7.2 Providing and fixing white vitreous china clay Eat back, lipped flush pipe inlet, basin of 430x240x350mm in the range of two 7.5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass inlets and G.I. clamps complete painting of fixing and brackets cutting and making good the wall and floor wherever required including cost of materials, labour complete as per specifications. Specification No. KBS 11 Page No 80/ Item No. 12.8 PWD SR 2014-15	Each
36	KSRB 13.11.1: Providing and placing on terrace Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, TOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 169 Item No. 13.78 / PWD SR 2014-15	Each
37	Providing Supplying and commissioning of 1 HP submersible Monoblock pump with starter 15mm cable with necessary GI fittings with suction & Delivery hose pipes including necessary fixtures are completed as per specifications	Nos
	Electrification work	
38	pointing wiring using copper with switch Supplying and wiring looping system in exting PVC conduit/casing capping using copper PVC insulated multi strand 2 x1.5 sqmm coper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box the other end of wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet II point wiring using class II materials (3m) a) Short point upto 3 mtrs from tapping point to out let via switch	Each
	Medium point above 3mtrs upto 5mtrs from taping point to out let via switch	Each
	a) Long point above 5mtrs upto 25 Mtrs from tapping point to out let via switch	Each
39	Wiring for light/ power circuit using one of PVC insulated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring II Group B a) 6 sqmm (3/20)	Each
40	Groove Cutting Supplying dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends metal junction boxes adhesive paste etc and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary a) 19/20mm dia 2mm thick (3/2)	Per Mtr
41	Supplying and fixing PVC/metal conduit accessories special type Junction Box a) for 75mm junction box (3/5)	Each
	DEEP Junction Box a) 75/20 mm deep junction box	Each
42	32 Supplying and fixing metal fan box with round hook (32/11)	Each
43	Supplying and fixing mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete (6/2) a) 12"x12"x6" (305x305x150mm)	Each
44	Supplying and fixing of modular switch/Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate II using group B" Material (6/18) a) 500 watts dimmer	Each
	a) 16 Amps one way switch	Each
	b) 6/16 Amps Universal Socket	Each
45	Supplying 4mm thick plastic sheet with necessary niches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F Screws. (22/10)	sq cm
46	Supplying surface mounted type mirror optic luminaries for single twin 36/40 watts fluorescent lamps cross rising of stove enameled deep coloured M.S low profile housing complete with all accessories and high purity anodized aluminium reflector assembling along with cross louvers including necessary fluorescent tubes with Energy saving Electronic Ballast Etc. complete set i) 2x4' 36/40 watts B) group II (3/17)	Each
47	Supplying capacitor type ceiling fan complete with dawn blades,shackle canopies etc for operation on 230 Volts, 50 cycles single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved 1.48" Sweep(1200 mm) a) Regular Model (23/23)	Each
48	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for e for light duty suitable for operate on 230 V 50 Hz. AC Supply a) Group A (21/22)	Each
49	Supply patty type fluorescent surface light fitting of 4-36/40 watts flourescent tube fitting made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts A.C supply including (NO) 4-36/40 watts fluorescent tube) (2/16) Group A	Each
50	Fixing all types and all capacities fluorescent/surface ceiling/pool light/CFL fitting indoor on the wall ceiling/rafters/girders using 23/0.0076" twin twisted PVC insulated wires,required nos of blocks and clamps(if required) a) On wall/ceiling/ Rafter/Girders (7/28)	Each
51	Fixing one ceiling/wall mounting fan of all capacities and all types to the exting S.Nail with fan regular to the exting board together with supplying and fixing a 5 amperes ceiling rose,necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (8/29)	Each
52	Fixing one exhaust fan in the hole already left in the wall with bolts and nuts & white ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire of approved Make (12/29)	Each

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
		2.00	6924.00	13848.00	2.00	13848.00	
		2.00	1896.00	3792.00	2.00	3792.00	
		2.50	278.00	695.00	2.50	695.00	
		1.50	316.63	474.95	1.50	474.95	
		1.00	4382.00	4382.00	1.00	4382.00	
		1.00	9284.00	9284.00	1.00	9284.00	
		1.00	10490.00	10490.00	1.00	10490.00	
		4.00	167.00	668.00	4.00	668.00	
		4.00	257.00	1028.00	4.00	1028.00	
		4.00	362.00	1448.00	4.00	1448.00	
		180.00	47.00	8460.00	180.00	8460.00	
		50.00	45.00	2250.00	50.00	2250.00	
		5.00	18.88	94.40	5.00	94.40	
		5.00	30.00	150.00	5.00	150.00	
		2.00	75.00	150.00	2.00	150.00	
		2.00	84.00	168.00	2.00	168.00	
		5.00	409.00	2045.00	5.00	2045.00	
		2.00	120.00	240.00	2.00	240.00	
		2.00	178.00	356.00	2.00	356.00	
		600.00	0.23	138.00	600.00	138.00	
		2.00	2622.50	5245.00	2.00	5245.00	
		2.00	1888.00	3776.00	2.00	3776.00	
		2.00	1311.00	2622.00	2.00	2622.00	
		2.00	377.00	754.00	2.00	754.00	
		2.00	110.00	220.00	2.00	220.00	
		1.00	110.00	110.00	1.00	110.00	
		1.00	325.00	325.00	1.00	325.00	

Sl No	Description of work	Unit
53	Supplying,fixing,wiring,earth clamp,nut for grounding conduits I/C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI(2.5 mtrlong) buried in a pit should be filled with decent proportion of salt and charcoal 150mm around the pipe to complete depth The conection from the pipe to the conduit etc is to be established through GI wire of size as per GI specifications 7.33 of IS 732 using 12mm dia bolts nuts,washers and checknuts etc,the pipe shall have 16 through holes 12mm dia (6891)	Each
54	Supplying and mixing metal clad isolators on existing MCB distribution boards using necessary fixing materials and C type curve indicator CA/CRF energy class 3 with short circuit breaking capacity of 10A and complete wiring as required a) 32 Amps SP 1)Group A (12/36)	Each
55	Energy meter box: Supply and manufacturing provision of outdoor type thermoplastic modular panel enclousers with transparent polycarbonate lid shock proof corrosion proof rating electrically embedded gasket on both lid and flap suitable to fix Single phase/three phase energy meter in suitable base plate and having a provision to clear MCB below with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility a) 300 x 500 x 210 mm (45/04)	Each
56	Supplying of LT UG cable having aluminium conductor PVC insulated sheathed galvanised steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV class A PVC Cable(Cost of cable is apart (66/04)	Per Mtr
57	Labour charges for laying of 1.1KV Road UG cable in existing trench GI pipe asbestos pipe/pit wall/pit pole as required a) 6sqmm to 16 10 sqmm (58/9)	R.Mtr
58	Digging of trench of 300mm deep 750 mm wide refilling the trench to the required ground level and consolidating etc complete (As per Civil SR KSRB 1-20-7)a in Ordinary soil (8/7)	R.Mtr
59	Supplying and fixing of medium (Light duty) GI pipe of suit thick (class C) excellent 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 6.6K cost (9/7)	Mtr
60	Supplying and fixing CI/ DWC end cap FU sockets suitable for 1.1KV class UG cable fixed with Necessary bitumen/insulating compound complete with terminals,compression lugs,nuts and washers etc b 16 Sqmm (10/70)	Each
	Extra items	
61	KSRB 14.15.2 Providing and laying glazed tiles of sizes 12mm thick for flooring treads of steps and landings laid on a bed of 12mm thick cement mortar 1:3 mix flush pointing using white cement and matching colour pigment including coat of matecrate silicon curing complete as per specifications Specification No KBS 14.15.2 Page 370/item no 14 /page 94/	Sqm
62	KSRB 14.17.1 Providing and laying risers / risers of steps with white glazed tiles 8mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (after giving coat of rough plastered surface which should be measured and paid separately)using glazed tiles of approved make and size including cost of materials and complete as per specifications Specification No KBS 14.18 , 14.17 (Page no. 94/ Item No. 14.40	Sqm
63	Providing and fixing mild steel galvanised steel windows of IS standards, made out of 0.8mm thick deep drawing quality galvanished on both sides conforming to IS 277 with transmitting epoxy resin and finish painted with a polyester based paint 20microns thick. The size of profiles in accordance with IS 1038 for fixing of glasses. Maximum section for shutters, 40x70mm section for centre mullion/transom and 18x31mm section is for fixing glasses. The vertical mullion to be in single joint mitred and assembling by means of corner brackets made out of cold rolled cold annealed strips of 1.2mm thick duly galvanised and fitted with galvanised self tapping screws. The shutters are provided with approved quality of fixtures like handles made out of zamac alloy die cast and simple locks. Hinged shutter out of glass filled nylone and hinges made out of CRCA powder coated. 4mm tinted glass should be fixed with EPDM gaskets. Burglary bars (Square bars of 16mm square bright bars shall be fixed horizontally at 125mm C/C by revetting to the external frame. The abovve frames are	Sqm
64	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factory made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickness 0.90 mm thick, as per IS 1038 for top and bottom rails, cowelled with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & rails & 18x30mm PVC sheets for top rail, lock rail & bottom rail on either side & 8mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail pasting of 4 mm thick plain PVC sheet filled in M.S Frame seated to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with PVC welding agent adhesive etc., complete as per manufacturers specifications & direction of Engineer - in charge fixed to frames with 3 nos. of Page No. 97/ Item No. 9.84/ PWD SR 2014-15	Sqm
	Providing & fixing factory made rigid foam panelled door frame of size 8x4 inch with a wall thickness of 8mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed with adhesive etc., complete as per manufacturers specifications & direction of Engineer-in-charge Page No. 97/ Item No. 9.84/ PWD SR 2014-15 SOLID PVC DOOR FRAME	Sqm
65	Supplying and fixing ordinary steel door frames size 125 x 65 mm manufactured from 1.25 mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and of required sizes as per drawings etc of seasoned Hosme wood, styles of 30 mm thick with lock rail of 160 mm width, top and side of 100 mm width and bottom rails of 250 mm width and fitted using 10, 12 mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, termite proof, fire resistant guaranteed against shrinkage, warping and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction of Engineer-in-charge, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, delivery and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with	Sqm
		TOTAL

Certificates

1. The above work is done satisfactorily and complete in all respect.
2. There is no departmental Material issue for the above work.
3. This works comes under BBMP Limit.

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelk. Zn)
Yelahanka, Bangalore

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
		1.00	2045.00	2045.00	1.00	2045.00	
		2.00	204.00	408.00	2.00	408.00	
		1.00	3204.00	3204.00	1.00	3204.00	
		30.00	157.00	4710.00	30.00	4710.00	
		20.00	8.39	167.80	20.00	167.80	
		20.00	41.00	820.00	20.00	820.00	
		4.00	272.00	1088.00	4.00	1088.00	
		1.00	272.00	272.00	1.00	272.00	
		7.60	1248.75	9490.50	7.60	9490.50	
		58.47	985.44	57618.68	58.47	57618.68	
		4.05	3997.33	16189.19	4.05	16189.19	
		5.04	4443.94	22397.46	5.04	22397.46	
		~~1.89~~ 5.04	3888.45	~~7349.17~~ 19597=00	~~1.89~~ 5.04	~~7349.17~~ 19597=00	
	680293.00			~~1343739.00~~ 1343550=00		~~2024032.00~~ 2033843=00	

AGE mg